## **EAST Search History**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	14627	west adj nile or wnv or wn	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/08/29 16:56
L2	1235	reverse adj genetic\$	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/08/29 16:57
L3	3	1 with 2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/08/29 16:58
L4	74	full with I1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/08/29 16:59

## **BLAST Basic Local Alignment Search Tool**

Job Title: Nucleotide sequence (11,029 letters)

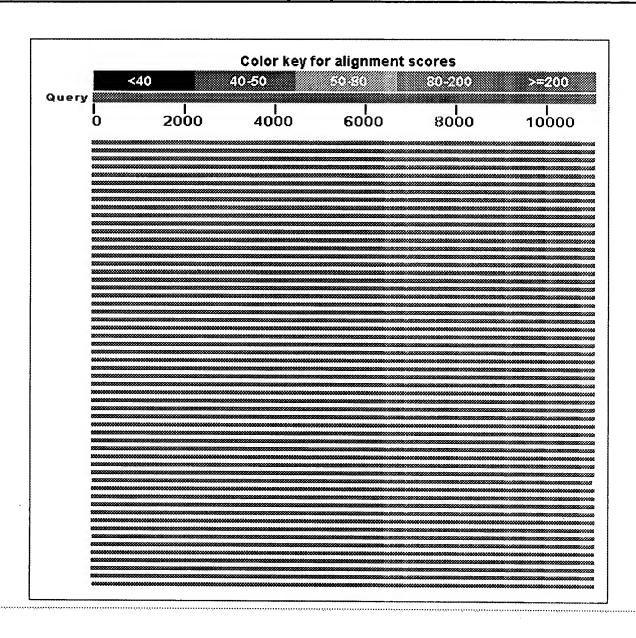
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- •

#### **BLASTN 2.2.17 (Jun-24-2007)**

RID: DBKRAZK8012 Database: All GenBank+EMBL+DDBJ+PDB sequences (but no EST, STS, GSS, environmental samples or phase 0, 1 or 2 HTGS sequences) 5,841,208 sequences; 21,578,738,077 total letters

Query= Length=11029

### Distribution of 100 Blast Hits on the Query Sequence



Legend for links to other resources: LU UniGene GEO Gene Structure Map Viewer

	<pre>producing significant alignments: ders to sort columns)</pre>			
	West Nile virus isolate WN NY 2000-crow3356, complete genome			
	West Nile virus strain 3356.2.1.1, complete genome			
AF196835.2	West Nile virus strain NY99-flamingo382-99, complete genome	2.027e+042.027e+04100%	0.0	99%
	West Nile virus isolate WN NJ 2000 MQ5488, complete genome			
	West Nile virus strain NY99-eqhs, complete genome			
	West Nile virus strain 385-99, complete genome			
	West Nile virus strain 385-99 isolate hamster passage strain 9317E, complete genome			
	West Nile virus gene for polyprotein precursor protein, complete cds, isolate: B-LP			
AB185916.1	West Nile virus gene for polyprotein precursor protein, complete cds, isolate: B-SP	2.025e+042.025e+04100%	0.0	998
AY842931.3	West Nile virus strain 385-99, complete genome	2.025e+042.025e+04100%	0.0	99%
	West Nile virus gene for polyprotein precursor protein, complete cds, isolate: 6-LP			
	West Nile virus strain 385-99 isolate hamster passage strain 9317A, complete genome			
DQ211652.1	West Nile virus strain NY99, complete genome	2.024e+042.024e+04100%	0.0	998
	complete genome	2.024e+042.024e+04100%		998
AB185915.2	West Nile virus gene for polyprotein precursor protein, complete cds, isolate: 6-SP			99%
DQ066423.1	passage strain 9317B, complete genome			
AY848697.2	West Nile virus strain 385-99 isolate hamster passage strain TVP-9376, complete genome			
	West Nile virus isolate WN NY 2000-grouse3282, complete genome			
	West Nile virus isolate WN MD 2000-crow265, complete genome			
	West Nile virus isolate NY 2001 Suffolk, complete genome			
	West Nile virus isolate IN 2002, complete genome			
	West Nile virus polyprotein precursor, gene, complete cds West Nile virus isolate NY 2002 Queens,			
	complete genome			
AY646354.1	West Nile virus from USA, complete genome	2.018e+042.018e+04100%	0.0	99%
	West Nile virus isolate NY 2002 Nassau, complete genome			
	West Nile virus isolate NY 2002 Clinton, complete genome		0.0	99%

tp://www.nco	i.nlm.nih.gov/BLASI/Blast.cgi			
	West Nile virus isolate ARC10, complete genome	2.017e+042.017e+04100%	0.0	998
DQ164191.1	West Nile virus isolate NY 2003 Chautauqua, complete genome	2.016e+042.016e+04100%	0.0	99%
	West Nile virus isolate TX 2004 Harris 4, complete genome	2.016e+042.016e+04100%	0.0	998
DQ164205.1	West Nile virus isolate TX 2002 2, complete genome	2.016e+042.016e+04100%	0.0	99%
DQ164198.1	West Nile virus isolate TX 2002 1, complete genome	2.016e+042.016e+04100%	0.0	99%
DQ164197.1	West Nile virus isolate GA 2002 2, complete genome	2.016e+042.016e+04100%	0.0	99%
_	West Nile virus isolate NY 2002 Broome, complete genome	2.015e+042.015e+04100%		99%
	complete genome		0.0	99%
	West Nile virus isolate C-AZ-03 03-1799 polyprotein precursor, gene, complete cds	2.015e+042.015e+04100%	0.0	99%
DQ164196.1	West Nile virus isolate GA 2002 1, complete genome	2.014e+042.014e+04100%	0.0	998
AY712947.1	West Nile virus isolate Bird 1461, complete genome	2.014e+042.014e+04100%	0.0	99%
AF481864.1	West Nile virus strain IS-98 STD, complete genome	2.014e+042.014e+04100%	0.0	99%
	West Nile virus isolate B-AZ-03-1681 polyprotein precursor, gene, complete cds	2.014e+042.014e+04100%	0.0	99%
	West Nile virus isolate TX 2003, complete genome			99%
	West Nile virus isolate NY 2003 Albany, complete genome	2.014e+042.014e+04100%	0.0	99%
	West Nile virus isolate A-AZ-03-1623 polyprotein precursor, gene, complete cds	2.014e+042.014e+04100%	0.0	99%
AF206518.2	West Nile virus isolate 2741, complete genome	2.014e+042.014e+0499%	0.0	998
	West Nile virus isolate NY 2003 Rockland, complete genome	2.014e+042.014e+04100%		99%
	West Nile virus strain TVP 8533 complete genome		•	
	West Nile virus isolate NY 2003 Suffolk, complete genome			
	West Nile virus isolate E-CA-03 GRLA-1260 polyprotein precursor, gene, complete cds			
	West Nile virus isolate OH 2002, complete genome			
	West Nile virus isolate J-CA-03 Arcadia- S0334814 polyprotein precursor, gene, complete cds			
	West Nile virus isolate FL234 polyprotein precursor, gene, complete cds			
	West Nile virus isolate CO 2003 1, complete genome			
	West Nile virus isolate Bird 1153, complete genome			
	West Nile virus isolate F-CA-03 IMPR 102 polyprotein precursor, gene, complete cds			
	West Nile virus isolate BSL5-2004, complete genome			
DQ005530.1	West Nile virus isolate FDA-BSL5-2003, complete genome	2.009e+042.009e+04100%	0.0	99%
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	West Nile virus isolate TWN165 polyprotein precursor, gene, complete cds	2.008e+042.008e+0499%		998
DQ164203.1	West Nile virus isolate CO 2003 2, complete genome	2.008e+042.008e+04100%	0.0	99%
	West Nile virus isolate Bird 1171, complete genome		0.0	99%
DQ666450.1	West Nile virus isolate GCTX2-2005, complete genome	2.007e+042.007e+04100%	0.0	99%
	precursor, gene, complete cds	2.007e+042.007e+0499%	0.0	99%
•	West Nile virus isolate L-CA-04 SAC-04-7168 polyprotein precursor, gene, complete cds	2.007e+042.007e+04100%		
	West Nile virus isolate TVP9220 polyprotein precursor, gene, complete cds			
	West Nile virus isolate AZ 2004, complete genome			
DQ080067.1	West Nile virus isolate TVP9219 polyprotein precursor, gene, complete cds	2.007e+042.007e+0499%	0.0	99%
DQ080056.1	polyprotein precursor, gene, complete cds	2.007e+042.007e+0499%	0.0	99%
DQ080072.1	West Nile virus isolate FL232 polyprotein precursor, gene, complete cds	2.006e+042.006e+0499%	0.0	99%
	West Nile virus isolate TWN496 polyprotein precursor, gene, complete cds			
DQ666451.1	West Nile virus isolate BSL13-2005, complete genome	2.006e+042.006e+04100%	0.0	99%
	West Nile virus isolate TVP9117 polyprotein precursor, gene, complete cds	2.006e+042.006e+0499%		99%
DQ080064.1	West Nile virus isolate TVP9222 polyprotein precursor, gene, complete cds	2.006e+042.006e+0499%	0.0	99%
DQ080065.1	West Nile virus isolate TVP9221 polyprotein precursor, gene, complete cds	2.006e+042.006e+0499%	0.0	99%
	West Nile virus isolate TVP9115 polyprotein precursor, gene, complete cds	2.005e+042.005e+0499%	0.0	
	West Nile virus strain HNY1999 polyprotein (C, prM, E, NS1, NS2a, NS2b, NS3, NS4a, NS4b, NS5) gene, complete cds			
	West Nile virus isolate Mex03 from Mexico, complete genome			
	West Nile virus isolate TVP9223 polyprotein precursor, gene, complete cds			
	West Nile virus isolate GCTX1-2005, complete genome			
	West Nile virus isolate I-CA-03 Arcadia- S0331532 polyprotein precursor, gene, complete cds			
DQ666452.1	West Nile virus isolate BSL2-2005, complete genome		0.0	99%
	West Nile virus isolate WNVCc polyprotein precursor, gene, complete cds	1.995e+041.995e+0499%		
	West Nile virus isolate goose-Hungary/03, complete genome			
	West Nile virus isolate 04-236NM polyprotein precursor, gene, complete cds			
	West Nile virus isolate 04-244CA polyprotein precursor, gene, complete cds		0.0	99%
DQ431705.1		1.971e+041.971e+0498%	0.0	99%

# http://www.ncbi.nlm.nih.gov/BLAST/Blast.cgi

	West Nile virus isolate 04-233ND polyprotein precursor, gene, complete cds			
DQ176637.1	West Nile virus strain TX 2002-HC, complete genome	1.949e+041.949e+0496%	0.0	99%
Q431699.1	precursor, gene, complete cds	1.923e+041.923e+0495%	0.0	998
Q431698.1	precursor, gene, complete cds	1.922e+041.922e+0495%	0.0	998
Q431701.1	precursor, gene, complete cds	1.921e+041.921e+0495%	0.0	99%
	precursor, gene, complete cds	1.921e+041.921e+0495%	0.0	99%
	precursor, gene, complete cds	1.921e+041.921e+0495%	0.0	99%
	West Nile virus isolate 04-237NM polyprotein precursor, gene, complete cds	1.920e+041.920e+0495%	0.0	99%
	West Nile virus isolate 03-22TX polyprotein precursor, gene, complete cds	1.920e+041.920e+0495%	0.0	99%
	West Nile virus isolate 03-20TX polyprotein precursor, gene, complete cds	1.920e+041.920e+0495%	0.0	99%
	West Nile virus isolate 04-216CO polyprotein precursor, gene, complete cds	1.919e+041.919e+0495%	0.0	99%
Q431697.1	West Nile virus isolate 03-113FL polyprotein precursor, gene, complete cds	1.919e+041.919e+0495%	0.0	998
Q431703.1	West Nile virus isolate 04-218CO polyprotein precursor, gene, complete cds	1.919e+041.919e+0495%	0.0	99%
Q431704.1	West Nile virus isolate 04-219CO polyprotein precursor, gene, complete cds	1.918e+041.918e+0495%	0.0	99%
Q431709.1	precursor, gene, complete cds	1.916e+041.916e+0495%	0.0	99%
Q431712.1	West Nile virus isolate 04-252AZ polyprotein precursor, gene, complete cds	1.915e+041.915e+0495%	0.0	998
Q431708.1	West Nile virus isolate 04-238CA polyprotein precursor, gene, complete cds	1.914e+041.914e+0495%	0.0	99%
00431711.1	West Nile virus isolate 04-251AZ polyprotein precursor, gene, complete cds	1.914e+041.914e+0495%	0.0	998